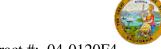
#### **DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

73.28 File #:

# WELDING INSPECTION REPORT

Resident Engineer: Pursell, Gary **Report No:** WIR-004986 Address: 333 Burma Road **Date Inspected:** 12-Dec-2008

City: Oakland, CA 94607

OSM Arrival Time: 800 **Project Name:** SAS Superstructure Prime Contractor: American Bridge/Fluor Enterprises, a JV **OSM Departure Time:** 1900

Contractor: HoChang, Korea **Location:** Unyang, Korea

**CWI Name:** N/A **CWI Present:** Yes No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A Yes N/A Weld Procedures Followed: N/A **Electrode to specification:** No Yes No Yes N/A N/A **Qualified Welders:** No **Verified Joint Fit-up:** Yes No N/A Yes No N/A **Approved Drawings:** Yes No **Approved WPS:** Yes **Delayed / Cancelled:** No N/A

34-0006 **Bridge No: Component:** Pier E2 bearing and Shear key

### **Summary of Items Observed:**

The following report is based on METS observations at HoChang Machinery Industries. Current work: Casting, forging and machining.

On this date the Caltrans Quality Assurance (QA) inspector, Dong J. Shin arrived at HoChang Machinery Industries (HCMI) located at Unyang, Korea. The Purpose of this trip was to observe quality control during fabricate and process of following items.

### Forging

- 1. Bearing Bottom Housing (B1-07/F07302-010): Continue to rough machining
- 2. Bearing Bottom Housing (B2-07/F07302-020): Continue to rough machining
- 3. Bearing Bottom Housing (B3-07/F07302-030): Start rough machining.
- 4. Bearing Bottom Housing (B4-07/F07302-040): Waiting for rough machining.
- 5. Spherical Ring (S1-07/F07302-050): complete rough machining.
- 6. Spherical Ring (S2-07/F07302-060): complete rough machining.
- 7. Spherical Ring (S3-07/F07302-070): complete rough machining.
- 8. Spherical Ring (S4-07/F07302-080): complete rough machining.
- 9. Solid Shaft (B1-02/F07302-090): complete rough machining.
- 10. Solid Shaft (B2-02/F07302-100): complete rough machining.
- 11. Solid Shaft (B3-02/F07302-110): complete rough machining.
- 12. Solid Shaft (B4-02/F07302-120): complete rough machining.

# WELDING INSPECTION REPORT

(Continued Page 2 of 3)

- F number is DooSan Production Number.
- B number is drawing Number.

## Casting

- 1. Bearing Top Housing(B1-06, C07039-010): Waiting for raiser cut
- 2. Bearing Top Housing(B2-06, C07039-020): Sand removal
- 3. Bearing Top Housing(B3-06, C07039-030): Sand removal
- 4. Bearing Top Housing(B4-06, C07039-040): Molding work
- 5. Bearing Hold Down Assembly (B1-01-1, C07039-050): Waiting for raiser cut
- 6. Bearing Hold Down Assembly (B1-01-2, C07039-060): Waiting for raiser cut
- 7. Bearing Hold Down Assembly (B2-01-1, C07039-070): Sand removal
- 8. Bearing Hold Down Assembly (B2-01-2, C07039-080): Finished pouring
- 9. Bearing Hold Down Assembly (B3-01-1, C07039-170): Finished pouring
- 10. Bearing Hold Down Assembly (B3-01-2, C07039-180): Molding work
- 11. Bearing Hold Down Assembly (B4-01-1, C07039-190): Molding work
- 12. Bearing Hold Down Assembly (B4-01-2, C07039-200): Molding work
- 13. Shear Key Stub(S1-01, C07039-090): Waiting for raiser cut
- 14. Shear Key Stub(S2-01, C07039-100): Sand removal
- 15. Shear Key Stub(S3-01, C07039-110): Finished pouring
- 16. Shear Key Stub(S4-01, C07039-120): Molding work
- 17. Shear key Housing(S1-03, C07039-130): Sand removal
- 18. Shear key Housing(S2-03, C07039-130): Sand removal
- 19. Shear key Housing(S3-03, C07039-130): Finished pouring
- 20. Shear key Housing(S4-03, C07039-130): Molding work
- \* S and B number is drawing number.
- \* C number is DSHI ID number
- Blank is not started.





# WELDING INSPECTION REPORT

(Continued Page 3 of 3)

## **Summary of Conversations:**

Discuss Mr. S. H. Kwak regarding current status of NDE procedure and fabrication procedure comments.

Check machining schedule of bearing bottom housing with Mr. S. H. Kwak.

Ask production schedule of casting.

### **Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Jinesh K, Mehta (951) 840-0541, who represents the Office of Structural Materials for your project.

<b>Inspected By:</b>	Shin,DJ	Quality Assurance Inspector
Reviewed By:	Lanz,Joe	QA Reviewer